ISM-BLP1-P Blue Line Pet-Friendly PIR Detector

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BOSCH
Invented for life

- 11 m x 11 m (35 ft x 35 ft) broad coverage
- EN50131-2-2 Grade 2 compliant
- Pet Friendly®
- First Step Processing (FSP)
- Flexible mounting height from 2.3 m to 2.7 m (7.5 ft to 9 ft)

The ISM-BLP1-P Pet Friendly® Detector can distinguish between signals caused by humans and signals caused by one or two animals with a combined total weight of 13.6 kg (30 lb).

Functions

Signal Processing
First Step Processing (FSP) almost instantly responds to human targets without producing false alarms from other sources. FSP adjusts the detector's sensitivity based on signal amplitude, polarity, slope, and timing. This eliminates the need for the installer to select the sensitivity level.

Test Features
The externally-visible alarm LED can be disabled after installation.

Draft and Insect Immunity
The sealed optical chamber prevents drafts and insects from affecting the detector.

Temperature Compensation
The detector adjusts its sensitivity to maintain its ability to identify human intruders at critical temperatures.

Certifications and approvals

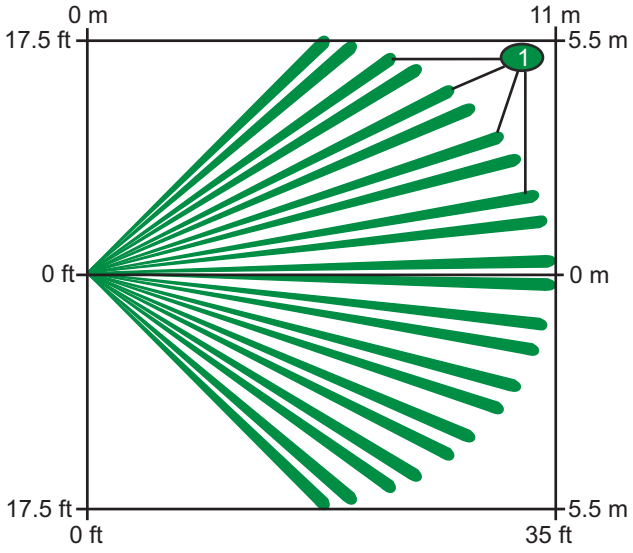
Ukraine	IEC 60839-1-3-2001, IEC 60839-2-2-2001, IEC 60839-2-6-2001, GOST 26342-84, GOST 7990-88
Europe	Complies with EN50131-2-2 Grade 2

Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC); 2006/95/EC Low-Voltage Directive (LVD) [-CCM]
	EN50131	EN 50131-1, TS 50131-2-2 August 2004, EN 50130-4, EN 50130-5
Belgium	INCERT	B-509-0009/b

Region	Certification	
Russia	GOST	IEC 60839-1-3-2001, IEC 60839-2-2-2001, IEC 60839-2-6-2001, GOST 26342-84, GOST 27990-88
	GOST	GOST 12997-84, GOST R 50009-2000, GOST R 51317.3.2-99, GOST R 51317.3.3-99, GOST R MEK 60065-2002
USA	UL	ANSR: Intrusion Detection Units (UL639), ANSR7: Intrusion Detection Units Certified for Canada (cULus)
Italy	IMQ	
France	AFNOR	NF, A2P (262263-00)
Sweden	INTYG	05-134; SBSC larmklass 3, miljöklass 2

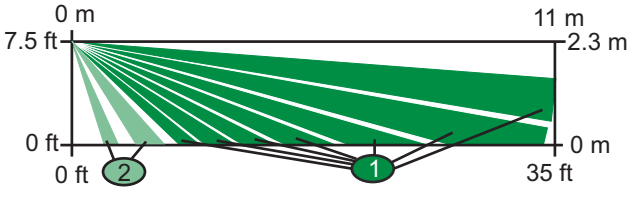
Installation/configuration notes

Coverage Patterns



Top View Broad: 11 m x 11 m (35 ft x 35 ft)

1 PIR coverage pattern



Side View Broad: 11 m x 11 m (35 ft x 35 ft)

1 PIR coverage pattern 2 Two look-down zones

Mounting

The recommended mounting height is 2.3 m to 2.7 m (7.5 ft to 9 ft).
The detector can be mounted:

- On a flat wall (surface, semi-flush) with the optional B335 Swivel-mount Bracket, or with the optional B328 Gimbal-mount Bracket,
- In the junction of two perpendicular walls, or
- On the ceiling with the optional B338 Ceiling-mount Bracket.

Notice
The use of optional mounting brackets can reduce the detector's range and increase the dead zone areas.

Power Considerations

Power Limits

Input power must be provided by an approved limited power source. All outputs must be connected to SELV (safety extra-low voltage) circuits only.

Standby Power

This detector has no internal standby battery. *For UL Listed product installations, 4 hr (40 mAh) of standby power must be supplied by the control unit or by a UL Listed burglary power supply.*

Parts included

Quant.	Component
1	Detector
1	Hardware pack
1	Literature pack

Technical specifications

Environmental Considerations

Complies with EN50131-2-2 Environmental Class II, Security Grade 2	
Relative Humidity:	0 to 85%, non-condensing
Temperature (operating):	-29°C to +49°C (-20°F to +120°F) *For UL Listed product installations, 0°C to +49°C (+32°F to +120°F)*

Mechanical Properties

Color:	White
Dimensions:	10.7 cm x 6.1 cm x 4.8 cm (4.2 in. x 2.4 in. x 1.9 in.)
Material:	High-impact ABS plastic
Radio Frequency Interference (RFI) Immunity:	No alarm or setup on critical frequencies in the range from 26 MHz to 950 MHz at field strengths less than 50 V/m.

Outputs

Digital Alarm:	5 V normally, grounded for 4 sec during alarm.
Relay:	Solid state, supervised, Form A normally-closed (NC) contacts rated for 125 mA, 28 VDC, 3 W.
Tamper:	Normally-closed (NC) contacts (with cover on) rated at 28 VDC, 125 mA maximum. Connect tamper circuit to 24-hour protection circuit.

Power Requirements

Current (Alarm):	18 mA
Current (Standby):	10 mA maximum at 12 VDC
Voltage (Operating):	10 VDC to 14 VDC

Trademarks

Pet Friendly® is a registered trademark of Bosch Security Systems in the United States.

Ordering information

ISM-BLP1-P Blue Line Pet-Friendly PIR Detector
Distinguish between signals caused by humans and signals caused by small animals
Order number **ISM-BLP1-P**

Accessories

ISM-BLA1-CC Blue Line Color Camera Module (NTSC format)
NTSC format
Order number **ISM-BLA1-CC-N**

ISM-BLA1-CC Blue Line Color Camera Module (PAL format)
PAL format
Order number **ISM-BLA1-CC-P**

ISM-BLA1-LM Blue Line Nightlight Module
Fits all Blue Line detectors
Order number **ISM-BLA1-LM**

ISM-BLA1-SM Blue Line Sounder Module
Fits all Blue Line detectors
Order number **ISM-BLA1-SM**

B328 Gimbal-mount Bracket
Mounts on a single-gang box and allows rotation of a detector. Wires are hidden inside.
Order number **B328**

Swiveling B335-3 low-profile mount
Swiveling, low-profile, plastic mount for wall mounting. The vertical swivel range is +10° to -20°, while the horizontal swivel range is ±25°. Available in triple packs.
Order number **B335-3**

B338 Universal Ceiling-mount Bracket
Swiveling plastic mount for ceiling mounting. The vertical swivel range is +7° to -16°, while the horizontal swivel range is ±45°.
Order number **B338**

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